

ABSTRACT

[Abstract of the Disclosure]

5 Provided are a write once disc with a temporary defect management area, and
a disc defect management method and apparatus therefor. The write once disc is a
single record layer disc wherein a lead-in area, a data area, and a lead-out area are
sequentially positioned, the write once disc including a defect management area that is
present in at least one of the lead-in area and the lead-out area; a temporary defect
management area that is present in at least one of the lead-in area and the lead-out
10 area; and a drive & disc information area that is present in at least one of the lead-in
area and the lead-out area. Information regarding the locations of temporary defect
information and temporary defect management information is recorded in the drive &
disc information area, the temporary defect information and temporary defect
management information, which includes drive & disc information, are recorded in the
15 temporary defect management area, and temporary defect information and temporary
defect management information, which are lastly recorded in the temporary defect
management area, are recorded in the defect management area for disc finalization.
Accordingly, disc defect management can be effectively performed on the write once
disc. Also, drive and disc information, which includes information regarding the
20 location of a test area in which recording conditions are measured and write protect
information, is recorded as temporary defect management information, thereby
increasing the reliability of a system.

[Representative Drawing]

25 FIG. 8A